#3

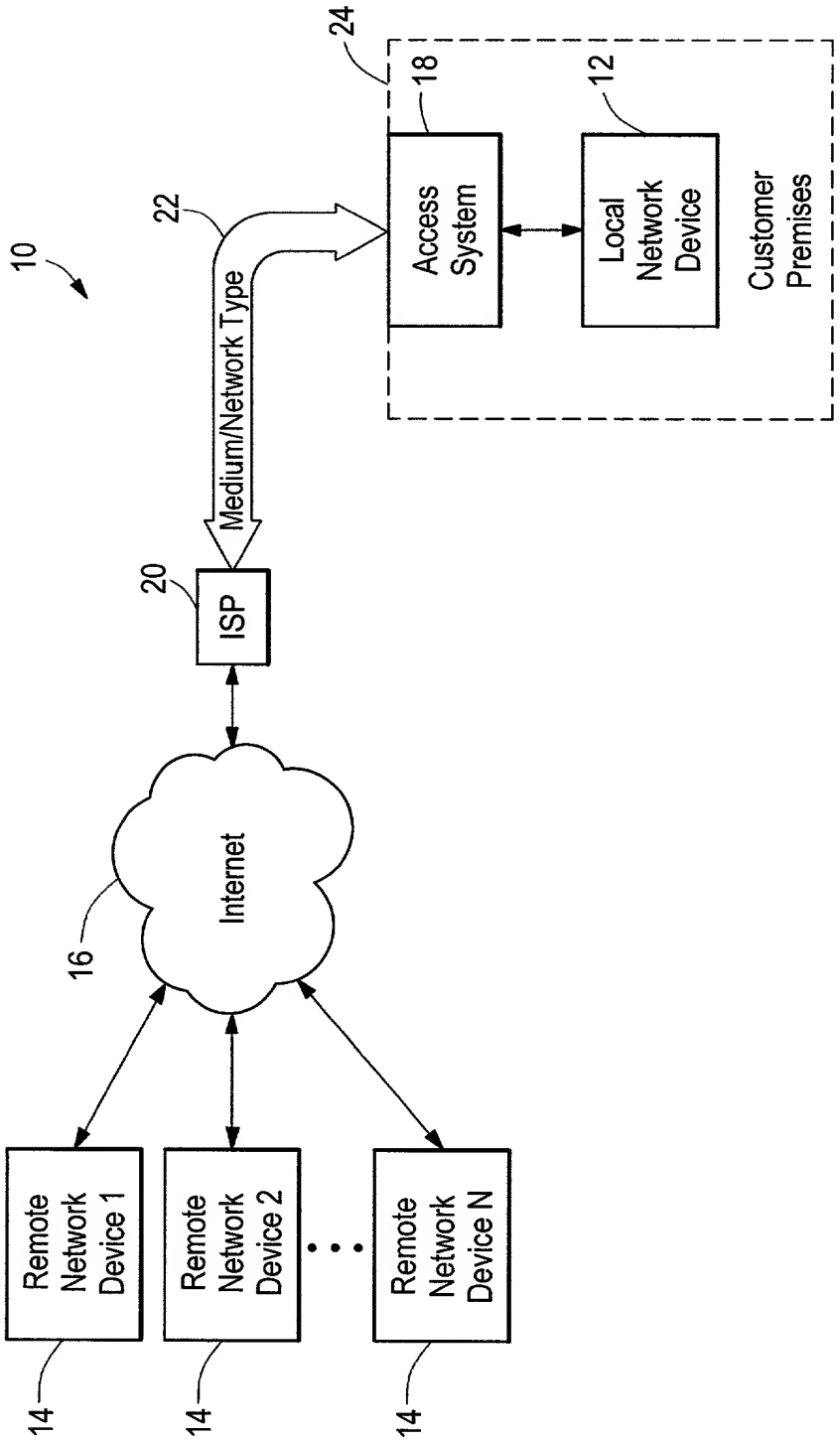
10
22
Medium/Network Type
24
18
Access System
12
Local Network Device
Customer Premises
20
ISP
16
Internet
Remote Network Device 1
Remote Network Device 2
Remote Network Device N
14
14
14

FIG. 1

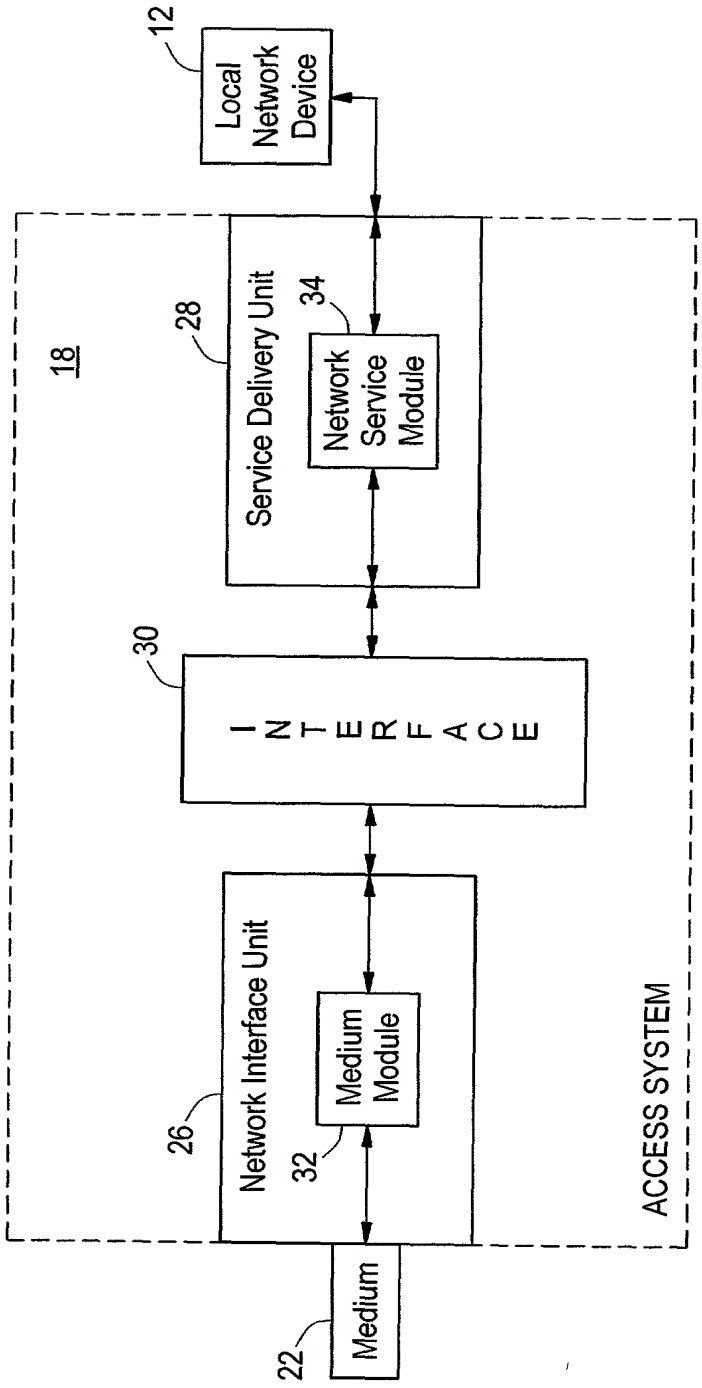

FIG. 2

TO:USPTO #+02/25/2004

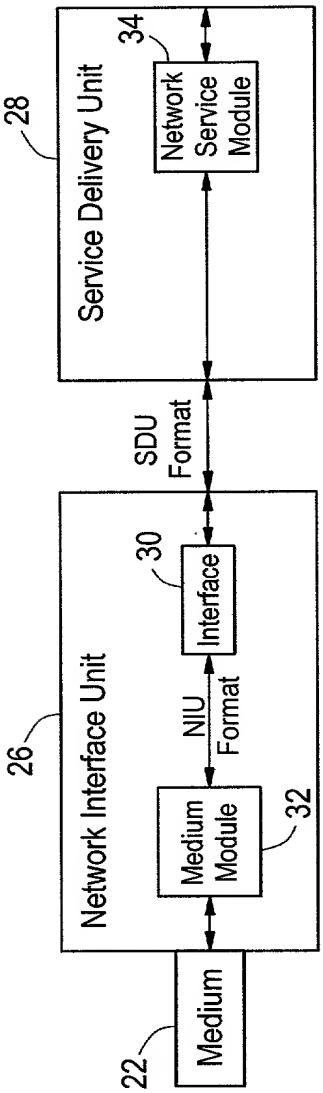
28
Service Delivery Unit
34
Network Service Module
SDU Format
26
Network Interface Unit
30
Interface
NIU Format
Medium Module
32
22
Medium

FIG. 3

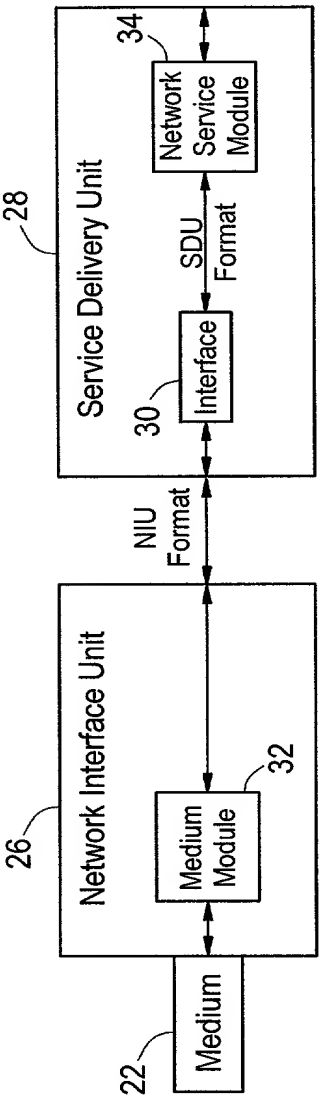
28
Service Delivery Unit
34
Network Service Module
SDU Format
30
Interface
NIU Format
26
Network Interface Unit
Medium Module
32
22
Medium

FIG. 4

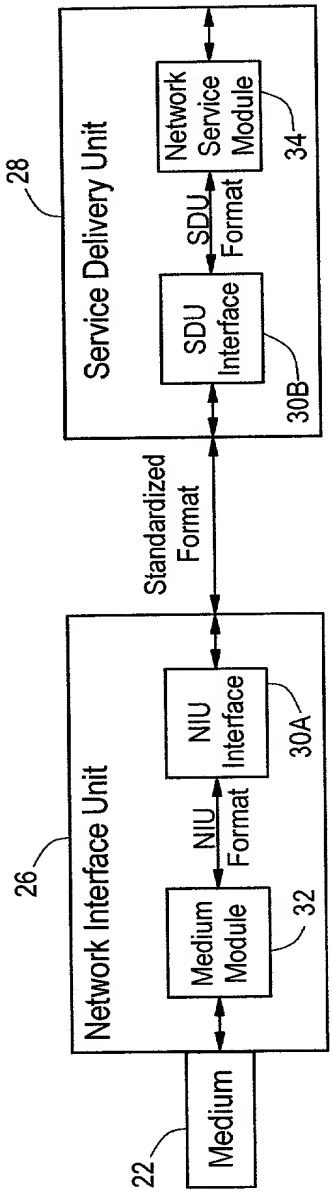
Service Delivery Unit
28
Network Service Module
34
SDU Format
SDU Interface
30B
Standardized Format
Network Interface Unit
26
NIU Interface
30A
NIU Format
Medium Module
32
Medium
22

FIG. 5

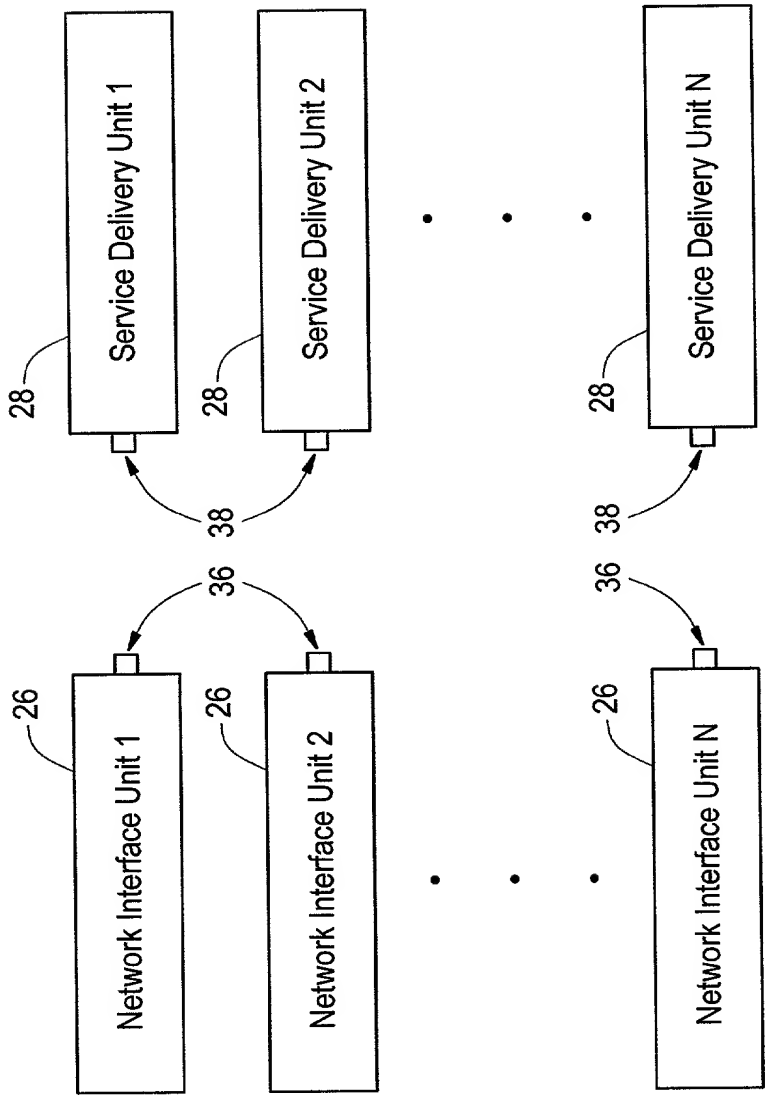
Service Delivery Unit 1
Service Delivery Unit 2
Service Delivery Unit N
28
38
36
26
Network Interface Unit 1
Network Interface Unit 2
Network Interface Unit N

FIG. 6

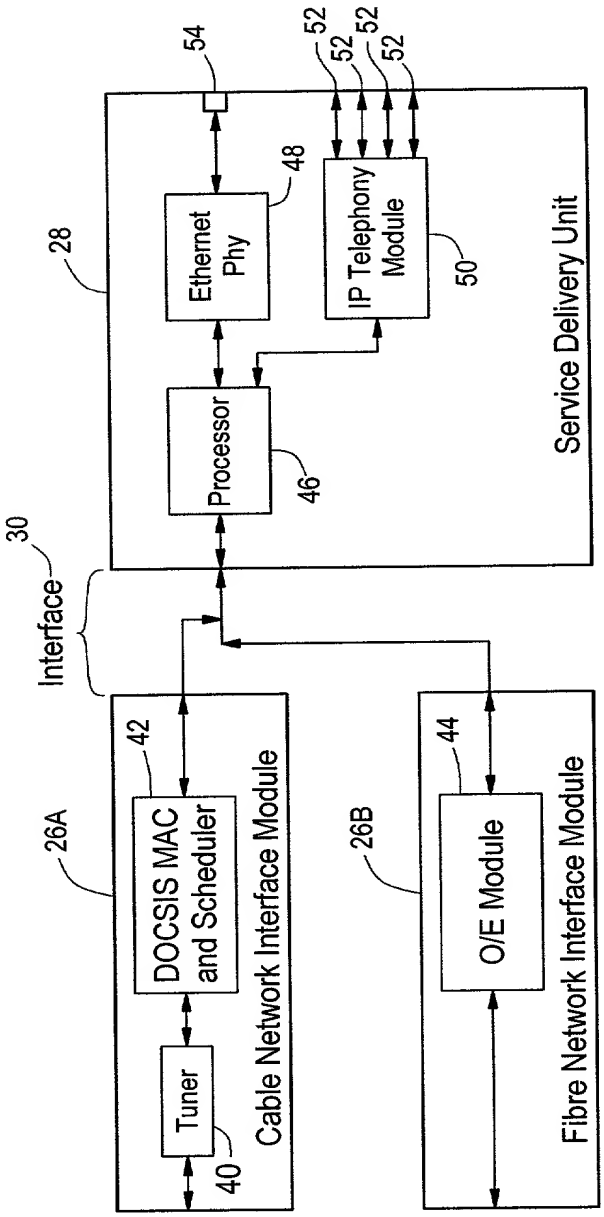
54
52
52
52
52
28
Ethernet Phy
48
IP Telephony Module
50
Service Delivery Unit
Processor
46
30
Interface
26A
42
DOCSIS MAC and Scheduler
Tuner
40
Cable Network Interface Module
26B
44
O/E Module
Fibre Network Interface Module

FIG. 7